

INTERNATIONAL SEARCH REPORT

Int'l Application No
PCT/JP2004/006180

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C09K11/06 H05B33/14 H01L51/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C09K H05B H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	D. EISLER, W. HONG, M.C. JENNINGS, R.J. PUDDEPHATT: "An organometallic octopus complex: structure and properties of a resorcinarene with 16 cobalt centers" ORGANOMETALLICS, vol. 21, 2002, pages 3955-3960, XP002290460 columns 2-3,6-7; examples; tables 1,2	1-8,11, 12,17-20
X	EP 1 245 659 A (SUMITOMO CHEMICAL CO) 2 October 2002 (2002-10-02) pages 3,9,21 page 25, line 39 - page 26, line 10 page 33; claims ----- -/-	1-9, 17-20

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

2 August 2004

Date of mailing of the international search report

16/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Doslik, N

INTERNATIONAL SEARCH REPORT

 Intl. Application No
 PCT/JP2004/006180

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>LU W ET AL: "The 3(PIPI*) Emission of Cy3PAu(C=C)nAuPCy3 (n=3, 4). Effect of Chain Length upon Acetylenic 3(pipi*) Emission"</p> <p>ORGANOMETALLICS, ACS, COLUMBUS, OH, US, vol. 21, 5 March 2002 (2002-03-05), pages 2343-2346, XP002272313 ISSN: 0276-7333 the whole document</p>	1-7, 14
X	<p>N.C. PAYNE, R. RAMACHANDRAN, I. TREURNICHT, R.J. PUDDEPHATT: "Easy double structure of a diphosphinomethane ligand: structure of the remarkable octagold cage complex"</p> <p>ORGANOMETALLICS, vol. 9, 1990, pages 880-882, XP002290461 the whole document</p>	1, 3-6, 8, 11-13
X	<p>NARAYANASWAMY R ET AL: "Synthesis, Structure, and Electronic Spectroscopy of Neutral, Dinuclear Gold(I) Complexes. Gold(I)-Gold(I) Interactions in Solution and in the Solid State"</p> <p>INORGANIC CHEMISTRY, AMERICAN CHEMICAL SOCIETY, EASTON, US, vol. 32, 1993, pages 2506-2517, XP002280188 ISSN: 0020-1669 pages 1-2; table 1</p>	1, 3-8, 10, 15-17
A	<p>R.J. PUDDEPHATT ET AL.: "Rigid-rod polymers and model compounds with gold(I) centers bridged by diisocyanides and diacetylides"</p> <p>ORGANOMETALLICS, vol. 15, 1996, pages 51-57, XP002290462 the whole document</p>	1-20
A	<p>R.J. PUDDEPHATT: "Luminescent gold(I) acetylides: from model compound to polymers"</p> <p>ORGANOMETALLICS, vol. 16, 1997, pages 3541-3547, XP002290463 the whole document</p>	1-20

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/006180

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1245659	A	02-10-2002	EP 1245659 A1	02-10-2002
			JP 2003171659 A	20-06-2003
			SG 92833 A1	19-11-2002
			US 2002193532 A1	19-12-2002
<hr/>				